

NATIONWIDE PERMIT REGIONAL CONDITIONS - KANSAS

GENERAL

All regional conditions presented herein, are in addition to, not in lieu of, the terms and conditions of the Nationwide Permits (NWP) as published in the March 9, 2000, Federal Register, Final Notice of Issuance and Modification of Nationwide Permits (65 FR 12818-12899), and in the December 13, 1996, Federal Register, Final Notice of Issuance, Reissuance, and Modification of Nationwide Permits (61 FR 65874).

Note 1: None of the regional conditions pertain to paragraph "a." of Nationwide Permit number 40.

Note 2: A separate document, "Nationwide Permit Standard Operating Procedures in Kansas", has been created to provide further clarification of how the Kansas City District will implement certain aspects of the NWP program and to provide clarification on certain NWP's or General Conditions. This document, dated in accordance with the most recent final modification of the NWP's, is available for viewing on the Kansas City District internet homepage.

Note 3: NWP General Condition 25 – Designated Critical Resource Waters, references outstanding national resource waters (ONRW). These ONRWs can be found on page 1 of Appendix I.

Note 4: Recording Mitigation. NWPs with mitigation may require recording of the permit mitigation areas with the Registrar of Deeds or other appropriate official charged with the responsibility for maintaining records of title to or interest in real property and provide proof of recording to the Corps.

EXCLUSIONS

All nationwide permits are prohibited from use in that reach of Big Soldier Creek located on or within the boundaries of the property owned by the Prairie Band of Potawatomi Nation in Kansas. This high quality water was identified by the Tribe as constituting an outstanding National resource of exceptional recreational, ecological, or culture significance.

OUTSTANDING NATIONAL RESOURCE WATERS (ONRW)/EXCEPTIONAL STATE WATERS (ESW)/SPECIAL AQUATIC LIFE USES (SALU)

Proposed discharges of dredged or fill material in waters designated by the state of Kansas as "Outstanding National Resource Waters" (ONRW), "Exceptional State Waters" (ESW), or "Special Aquatic Life Uses" (SALU), will require all persons performing work under the NWP program to adhere to the following regional conditions. The designation of waters as ONRW, ESW and SALU is subject to change in accordance with state law. The current list of ONRW, ESW and SALU waters is attached as Appendix I to this notice.

- 1.) Nationwide Permit 44, Mining Activities, is prohibited from use in all ONRW, ESW and SALU waters.
- 2.) Where notification under General Condition 13 is required for any nationwide permit in an ONRW, ESW or SALU water, which also impacts adjacent riparian areas, the permittee must provide with each notification a "Woodland Habitat Assessment", as developed by the Kansas Department of Wildlife and Parks (attached as Appendix II to this notice).
- 3.) Nationwide permits are prohibited from use to authorize all discharges of dredged or fill material in all ONRW, ESW and SALU waters associated with the construction of dams resulting in creation of an impoundment and/or that does not allow the passage of aquatic species indigenous to the affected water body.

Note for impoundments: Construction and maintenance of impoundments whose primary purpose is farm and/or stock related is generally not prohibited by or otherwise subject to regulation under Section 404. If you have questions concerning the construction of farm and/or stock ponds contact the Kansas City District.

THREATENED & ENDANGERED SPECIES

For discharges of dredged or fill material into waters of the United States that are located within the following ranges of Federally listed threatened or endangered species, the permittee must notify the District Engineer in accordance with the "Notification" general condition. If the Corps preliminary affect determination concerning Threatened or Endangered Species is a possible adverse affect, the prospective permittee will be notified that the project must not proceed until the Corps of Engineers has fulfilled its responsibilities pursuant to Section 7 of the Endangered Species Act.

The following locations and waters are subject to the Notification requirements stated above:

Cimarron River - That portion flowing through Clark, Comanche, and Meade Counties (Interior Least Tern, *Sterna antillarum* and Arkansas River Shiner, *Notropis girardi*).

Cottonwood River - From the point of discharge of Marion Dam to its confluence with the Neosho River in Lyon County (Neosho Madtom, *Noturus placidus*).

Neosho River - From the point where it discharges from Council Grove Reservoir in Morris County to the point where it leaves Lyon County and from the point where it discharges from John Redmond Reservoir in Coffey County to the Kansas-Oklahoma border in Cherokee County (Neosho Madtom, *Noturus placidus*).

Spring River - The entire mainstem portion within the state of Kansas in Cherokee County (Neosho Madtom, *Noturus placidus*).

Cow Creek and tributaries - A 144 square mile area within Crawford County whose western boundary is highway K-7, whose southern boundary is the Crawford/Cherokee county line, whose eastern boundary is the Kansas/Missouri state line and whose northern boundary is highway K-57 east of the town of Girard extended to the state line. Also included in this area is all of Cow Creek in Cherokee County (Gray Bat, *Myotis grisescens*).

Kansas River – From its origin in Geary County downstream to Lecompton in Shawnee County (Interior Least Tern, *Sterna Antillarum* and Piping Plover, *Charadrius melodus*).

The following locations may contain the Topeka Shiner, *Notropis topeka*, which has been listed as endangered, and are subject to the notification requirement above:

Butler County – Headwaters of the South Fork Cottonwood River (Sec. 4,9,16,21 T23S, R8E).

Chase County – Bloody Creek, Collett Creek, Gannon Creek, Jack Creek, Little Cedar Creek, Mercer Creek, Mulvane Creek, Rock Creek, Schaeffer Creek, Shaw Creek, Unnamed tributary of Thurman Creek (Sec. 31,32 T22S, R9E), Unnamed tributary of Mercer Creek (Sec. 30, 31 T22S, R 8E), Unnamed tributary of Middle Creek (Sec. 4,9,10 T19S, R6E), Unnamed tributary of Diamond Creek (Sec. 9 T19S, R7E), Unnamed tributary of Fox Creek (Sec. 31 T18S, R8E).

Dickinson County – Cary Creek, Middle Branch Lyons Creek, Rock Springs Creek, West Brach Lyons Creek.

Geary County – Rock Springs Creek, Davis Creek.

Greenwood County – Thurman Creek, Unnamed tributaries of Thurman Creek (Sec. 6 T23S, R9E; Sec.1 T23S, R8E).

Marion County - Mud Creek.

Marshall County - North Elm Creek, Clear Fork Creek.

Pottawatomie County - Clear Fork Creek.

Riley County – Deep Creek, Seven-Mile Creek, Little Arkansas Creek, Walnut Creek, Wildcat Creek.

Shawnee County – Mission Creek.

Wabaunsee County – Hendricks Creek, Illinois Creek, Kuenzli Creek, Loire Creek, Mission Creek, Mulberry Creek, Nehring Creek, Paw Paw Creek, Spring Creek (Paxico), Spring Creek (Tributary of West Branch Mill Creek), South Branch Mill Creek, West Branch Mill Creek.

Wallace County - Willow Creek.

The following waterways maintain critical habitat for the Whooping Crane, *Grus americana*, and are subject to the notification requirement above:

Walnut Creek – in Ness, Rush and Barton Counties which feeds Cheyenne Bottoms.

Rattlesnake Creek – in Edwards, Stafford and Pratt Counties which feeds Quivera National Wildlife Refuge.

ACTIVITY & WETLAND TYPE SPECIFIC REGIONAL CONDITIONS

For discharges of dredged or fill material in waters of the United States for the category of activities listed in items 1 through 4 below, the permittee must notify the District Engineer in accordance with the “Notification” general condition.

1. Concrete Channel Lining and similar activities - For discharges of dredged or fill material associated with lining channels with concrete, placing streams in culverts (except culverts for road crossings), channel bed armoring, placing liquid concrete or bagged cement in waters of the United States and/or placement of grouted riprap across the bottom of the channel.
2. Fens – For any regulated activity that impacts a fen or bog of any size.
3. Playa Wetlands – For discharges of dredged or fill material into playa wetlands of any size.
4. Forested Wetlands - For discharges of dredged or fill material into forested wetlands in the state of Kansas, which impact greater than 1/10 acre of these wetlands.

Note: Forested wetlands are characterized by woody vegetation that is 20 feet tall or taller.

REGIONAL CONDITIONS PERTAINING TO PARTICULAR NWPS

NWP No. 12 - Utility Activities. Forested wetlands or riparian wooded areas that are cleared in order to construct the utility line must be allowed to revegetate naturally to native tree species except for a minimal corridor that is essential for operation and maintenance of the line.

NWP No. 23 – Approved Categorical Exclusions. For categorically excluded discharges in or affecting waters of the United States, the permittee must notify the District Engineer in accordance with the “Notification” general condition. In addition to information required by “Contents of Notification,” the notification must identify the approved categorical exclusion that applies and include documentation that the project fits the categorical exclusion.

NWP No. 27 – Stream and Wetland Restoration Activities. For discharges authorized by Nationwide Permit 27, relocation of forested wetlands is not authorized.

APPENDIX I - LIST OF OUTSTANDING NATIONAL RESOURCE WATERS, EXCEPTIONAL STATE WATERS AND SPECIAL AQUATIC LIFE USE WATERS

Outstanding National Resource Waters: All water bodies within the boundaries of the following areas: Flinthills National Wildlife Refuge, Cimarron National Grasslands, Quivera National Wildlife Refuge, Kirwin National Wildlife Refuge, and Cheyenne Bottoms Wildlife Area.

County	Exceptional State Waters	Special Aquatic Life Use Waters
Allen		Little Osage River, Bloody Run, Onion Ck, Neosho River. WETLANDS- within boundaries of a point from NE corner of S34 T24 R18E, West to NW corner S35 T24 R17E, South to SW corner of S35 T24 R17E, East to SE corner of S34 T25 R18E, back north to point of origin And: All oxbow lakes and wetlands within NE1/4 Sec. 32 and N1/2 and SE1/4 Sec. 33, T.26S., R18E.
Anderson		Pottawatomie Ck, South Fork Pottawatomie Ck, Little Osage River. WETLANDS- within boundaries of a point from the NE corner of S24 T21 R19E, West to the NW corner S22 T21 R18E, South to SW corner of S22 T22 R18E, East to SE corner of S24 T22 R19E, to back north to point of origin.
Atchison		Missouri River, All wetlands within S15 & S16 T6 R7E
Barber		Amber Ck, Bear Ck, Elm Ck, East Branch South Elm Ck, North Branch Elm Ck, South Branch Elm Ck, Medicine Lodge River, Mulberry Ck, Turkey Ck, two unnamed tributaries to Medicine Lodge River, unnamed tributary to Turkey Ck, Sand Ck
Barton	Blood Ck, Little Cheyenne Ck, Cheyenne Bottoms Preserve; designation applies to all surface waters within the Nature Conservancy wildlife preserve in Sec. 2, Sec. 10, Sec. 11, Sec. 12, Sec. 13, Sec. 14, Sec. 15, Sec. 16, Sec. 22, Sec. 34, T.18S., R.13W. and Sec. 17, Sec 18, T18S., R.12W.	Arkansas River, Blood Ck, Deception Ck, Little Cheyenne Ck, Cheyenne Bottoms Preserve; designation applies to all surface waters within the Nature Conservancy wildlife preserve in Sec. 2, Sec. 10, Sec. 11, Sec. 12, Sec. 13, Sec. 14, Sec. 15, Sec. 16, Sec. 22, Sec. 34, T.18S., R.13W. and Sec. 17, Sec 18, T18S., R.12W.
Bourbon		Little Osage River, Marmaton River
Butler	Walnut River, Grouse Ck, South Fork Cottonwood River	Grouse Ck, South Fork Cottonwood River, Walnut River
Chase	Cedar Ck, South Fork Cottonwood River	Cedar Ck, Cottonwood River, South Fork Cottonwood River, Middle Ck
Chautauqua	Otter Ck, Caney River	Caney River
Cherokee	Neosho River, Spring River, Shoal Ck, unnamed tributary to Shoal Ck	Neosho River, Brush Ck, Shoal Ck, Spring River, Taylor Branch Cow Ck, Turkey Ck, unnamed tributary to Shoal Ck. All cave waters and associated springs within that portion of Cherokee County encompassed by a line that extends from NE corner of Sec. 24, T.34S., R.25E. due west to NW corner of Sec. 24, T.34S., R.24E., then due south to Kansas/Oklahoma (Sec. 13 T.35S., R.24E.), then due east to Kansas/Missouri border (Sec. 13, T.35S., 25E.), then north to point of origin. And: All wetlands within those portions of Cherokee and Labette counties encompassed by a line that extends from Kansas/Missouri border at NE corner of Sec. 24, T.31S., R.25E. due west to NW corner of Sec. 20, T.31S., R.25E., then due south to NW corner of Sec. 17, T.33S., R.25E., then due west to NW corner of Sec. 14, T.33S., R.21E., then due south to Kansas/Oklahoma border (Sec. 14, T.35S., R.21E.), then due east to

County	Exceptional State Waters	Special Aquatic Life Use Waters
		Kansas/Missouri border(Sec. 13, T.35S., R.25E.), then due south to point of origin.
Cheyenne		Arikaree River, South Fork Republican River
Clark	Cimarron River, St. Jacob's Well: NW1/4 SW1/4 Section 19 Township 32S Range 24W	Bluff Ck, Calvary Ck, Cimarron River, Kiowa Ck, Middle Kiowa Ck, West Kiowa Ck, Rattlesnake Ck, St. Jacob's Well, Clark State Fishing Lake
Clay		Republican River
Cloud	all surface waters within Jamestown Waterfowl Management Area	Republican River
Coffey		Frog Ck, Long Ck, Neosho River, Wolf Ck
Commanche	Cimarron River	Mule Ck, Nescatunga Ck (west branch), Bluff Ck, Cimarron River, Kiowa Ck, Middle Kiowa Ck, West Kiowa Ck
Cowley	Walnut River, Grouse Ck, Beaver Ck, Otter Ck	Arkansas River, Grouse Ck, Walnut River, Spring Ck
Crawford		Brush Ck, Cow Ck, East Cow Ck, First Cow Ck
Dickinson	Lyon Ck	Lime Ck, Lyon Ck, West Branch Lyon Ck, unnamed tributary to Lime Ck, unnamed tributary to Lyon Ck, unnamed tributary to West Branch Lyon Ck, Carry Ck, Herington Reservoir
Doniphan		Missouri River
Douglas		Kansas River, West Fork Tauy Ck, Clinton Reservoir; All wetlands within Sec. 18, T.13S., R.20E. of Douglas county.
Edwards		Rattlesnake Ck
Elk	Caney River, Fall River	Grouse Ck, Fall River, Caney River
Ellis	Saline River	
Ellsworth	Smoky Hill River	
Finney		Arkansas River
Ford		Rattlesnake Ck
Franklin		Marais des Cygnes River, Pottawatomie Ck, Ottawa Ck, West Fork Tauy Ck
Geary	Lyon Ck	Lyon Ck, Republican River, Kansas River, Kings Ck and tributaries; Konza Prairie Natural Area; designation applies to all surface waters within natural area.
Grant	Cimarron River, North Fork Cimarron River	Cimarron River
Greeley		Ladder Ck
Greenwood	Fall River, West Branch Fall River, Otter Ck	Verdigris River, Fall River, West Branch Fall River, South Branch Otter Ck
Hamilton		Arkansas River

County	Exceptional State Waters	Special Aquatic Life Use Waters
Harper	Chikaskia River	Chikaskia River
Jefferson		Kansas River, Buck Ck
Johnson		Kansas River
Kearny		Arkansas River
Kingman	Chikaskia River	Sand Ck, Allen Ck, Chikaskia River, North Fork Chikaskia River, Duck Ck, Silver Ck, unnamed tributary to North Fork Ninnescah River, Nester Ck, South Fork Ninnescah River, West Branch of South Fork Ninnescah River, Painter Ck, Pat Ck, Sand Ck, Smoots Ck, unnamed tributary to Smoots Ck, nine separate tributaries to South Fork Ninnescah River
Kiowa	Thompson Ck	Mule Ck, Medicine Lodge River, Soldier Ck, Thompson Ck, unnamed tributary to Thompson Ck, Kiowa Ck, Middle Kiowa Ck, West Kiowa Ck, Wiggins Ck, Rattlesnake Ck
Labette	Neosho River	
Leavenworth		Kansas River, Missouri River, Salt Ck
Lincoln		Smoky Hill River
Linn	Muddy Ck, North Sugar Ck, Big Sugar Ck, Middle Ck, Marais des Cygnes River, all surface waters within Marais des Cygnes Waterfowl Area, All wetlands, oxbow lakes and classified streams within that portion of Linn County encompassed by a line that extends from Kansas/Missouri border at NE corner of Sec. 26, T.19S., R.25E. due west to NW corner of Sec. 26, T.19S., R.23E., then due south to SW corner of Sec. 12, T.22S., R.23E, then due east to Kansas/Missouri border at SE corner of Sec. 12, T.22S., R.25E, then due north to point of origin.	Big Sugar Ck, Elm Ck, Marais des Cygnes River, Middle Ck, Muddy Ck, Richland Ck, North Sugar Ck, Marais des Cygnes National Wildlife Refuge; And: All wetlands, oxbow lakes and classified streams within that portion of Linn County encompassed by a line that extends from Kansas/Missouri border at NE corner of Sec. 26, T.19S., R.25E. due west to NW corner of Sec. 26, T.19S., R.23E., then due south to SW corner of Sec. 12, T.22S., R.23E, then due east to Kansas/Missouri border at SE corner of Sec. 12, T.22S., R.25E, then due north to point of origin.
Logan		Smoky Hill River, Chalk Ck, Ladder Ck, Twin Butte Ck
Lyon		Neosho River
Marion		Middle Ck
Marshall		Clear Fork Black Vermillion River, Manley Ck
McPherson		McPherson Valley Wetlands: Classification applies to all surface waters within state owned portions of wetlands.
Meade		Crooked Ck, Spring Ck, Stumpie Arroyo, two unnamed tributaries to Stumpie Arroyo, Lake Meade
Miami	Middle Ck, Marais des Cygnes River, Big Sugar Ck	Marais des Cygnes River, Pottawatomie Ck
Montgomery		Onion Ck, Verdigris River, Labette Ck, Neosho River
Morris		Lime Ck, Neosho River, Middle Ck

County	Exceptional State Waters	Special Aquatic Life Use Waters
Morton	Cimarron River, North Fork Cimarron River, unnamed tributary to North Fork Cimarron River, Moss Lake (east, west, & middle)	Cimarron River, North Fork Cimarron River, unnamed tributary to North Fork Cimarron River, West Moss Lake, Middle Moss Lake, East Moss Lake
Nemaha		South Fork Nemaha River, Manley Ck
Neosho		Neosho River, Neosho State Waterfowl Management Area; designation applies to all surface waters within waterfowl management area.
Osage		Appanoose Ck, Frog Ck, Long Ck
Phillips		Kirwin Lake
Pottawatomie		Deep Ck, Kansas River
Pratt	all surface waters within Texas Lake Wildlife Area	Amber Ck, Elm Ck, East Branch South Elm Ck, North Branch Elm Ck, South Branch Elm Ck, Medicine Lodge River, Mulberry Ck, Turkey Ck, Chikaskia River, North Fork Chikaskia River, Sand Ck, Silver Ck, Natrona Ck, South Fork Ninnescah River, West Branch of South Fork Ninnescah River, Painter Ck, Clear Water Ck
Reno	Dillon Park Lake #1: SE1/4 Section 33 Township 22S Range 5W	Arkansas River, Peace Ck, North Fork Ninnescah River, Red Rock Ck, Silver Ck, unnamed tributary to North Fork Ninnescah River, unnamed tributary to Silver Ck, Smoots Ck, Dillon Park Lake #1, Quivera Salt Marsh
Republic	all surface waters within Jamestown Waterfowl Management Area	Republican River
Rice		Arkansas River, Rattlesnake Ck, Quivera Salt Marsh
Riley	Deep Ck	Spring Ck, Bluff Ck, Bucksnot Ck, Kansas River, Wildcat Ck, Kings Ck and tributaries
Rush		Blood Ck
Russell	Saline River	Smoky Hill River
Scott		Ladder Ck, Lake Scott, Scott State Park and Feeder Springs
Sedgwick		Sand Ck, Arkansas River, Ninnescah River, North Fork Ninnescah River, unnamed tributary to North Fork Ninnescah River, South Fork Ninnescah River, West Branch of South Fork Ninnescah River
Shawnee		Kansas River
Stafford		Rattlesnake Ck, Peace Ck, unnamed tributary to North Fork Ninnescah River, Quivera Salt Marsh
Stevens	Cimarron River, North Fork Cimarron River	Cimarron River
Sumner	Chikaskia River	Chikaskia River, Arkansas River, Spring Ck, Ninnescah River; Slate Creek Wetland: classification applies to all surface waters within state owned portions of wetlands.
Wabaunsee	Mill Ck, East Branch Mill Ck, West Branch Mill Ck	Mill Ck, East Branch Mill Ck, Middle Branch Mill Ck, South Branch Mill Ck, Kansas River, Locust Ck

County	Exceptional State Waters	Special Aquatic Life Use Waters
Wallace		Capper Draw, Coon Ck, Depperschmidt Draw, Eagle Tail Ck, Pond Ck, Rose Ck, Smoky Hill River, Willow Ck, Ladder Ck, Twin Butte Ck
Wichita		Chalk Ck, Ladder Ck
Wilson	Fall River	Verdigris River, Fall River
Woodson		Neosho River, Woodson County State Fishing Lake, Circle Lake, Leonards Lake; All wetlands within Sec. 3 and Sec. 11, T.26S., R.14E.
Wyandotte		Little Turkey Ck, Kansas River, Missouri River

The following counties currently do not contain waters classified as ONRW, ESW or SALU: Brown, Decatur, Gove, Graham, Gray, Harvey, Haskell, Hodgeman, Jackson, Jewell, Lane, Mitchell, Ness, Norton, Osborne, Ottawa, Pawnee, Rawlins, Rooks, Saline, Seward, Sheridan, Sherman, Smith, Stanton, Thomas, Trego, and Washington.



FIELD KEY FOR SUBJECTIVE EVALUATION OF TERRESTRIAL WILDLIFE HABITATS



Each habitat type or community present within the evaluation area will be rated. The rating will be a numerical value between 0.0 and 10.0. The criteria keys are only guides to obtain uniformity in evaluating different tracts. The criteria key will serve as a standardized check list for identifying habitat communities and placing a value on their quality. When professional judgement that determines the habitat characteristics are different than those indicated, narrative description can be developed in the field and a quality rating made.

WOODLAND KEY

Evaluate for composition and distribution of components throughout stand.

Species Groups	Points
(Nut, Mast, Fruit, Seed, Evergreen)	6 to 10
4-5 species groups	3 to 6
Nut or mast + 2 other spp. groups	1 to 3
2-3 spp. groups	1 to 3
1 species group	1

Plant Form	Score each plant form as
Trees over 12" dbh	Abundant = 3 points
Trees over 25' tall	Common = 2 points
Trees 3'-25' tall	Sparse = 1 point
Trees up to 3' tall	Absent = 0 points
Shrubs	
Vines	
Grass	
Forbs	
Debris and/or Standing Dead, Snags	
Den Trees	

$$\frac{\text{Total Points}}{4} + IV = R$$

STREAM KEY

Components	Component Points
Streambank Habitat = Excellent	4.0
Good	3.0
Fair	2.0
Poor	1.0
Water Availability	No permanent pools or flow 0.0-0.5 w/permanent pools only 1.0-1.5 w/permanent flow 1.5-2.0
Aquatic Habitat Diversity	Good - Excellent 2.0 Poor - Fair 1.0
Floodplain Diversity	Traverses 2 or + habitats 2.0 Traverses 1 habitat 1.0
Channelization	If present, subtract up to 2 points depending on channel condition and how much channelization has influenced the previous components
Total Points = R	

RANGELAND KEY

Components	R
Decreasers reproducing stand Plants in healthy condition Herb. increasers not conspicuous Woody increasers may be conspicuous	9.5 - 10.0
Decreasers conspicuous, can recover Woody invaders may be established, others reproducing markedly Woody increasers may be conspicuous	6.5 - 9.0
Decreasers not conspicuous Annuals/invasers conspicuous Increasers established	3.5 - 6.0
Decreasers absent Invaders established Desirable wildlife food/cover nearly absent	1.0 - 3.0

$$\text{Component Value} + IV = R$$

ODD AREA KEY

Components	Component Points
Woody Vegetation	
Abundant trees, shrubs, vines; all age; excellent food/cover	5.0
Woody spp. abundant; even-all age; food/cover good/excellent	4.0
Woody spp. common; even-all age; food/cover good	3.0
Woody spp. sparse, even-all age; food/cover fair	2.0
Woody spp. sparse; cover poor	1.0
Woody spp. absent	0
Herbaceous Vegetation	
Abundant perennial native grass & forbs; food/cover excellent	5.0
Abundant native vegetation; food/cover good	4.0
Native vegetation common; annuals/increasers established; food/cover fair	3.0
Native vegetation sparse; introduced grasses may be established; food/cover fair-poor	2.0
Introduced vegetation abundant; food/cover poor	1.0
Total Points + IV = R	

WETLAND KEY

<u>Components</u>	<u>Component Points</u>
Protection from livestock	0.0 - 2.0
Emergent vegetation present	0.0 - 2.0
Open water present	0.0 - 2.0
Water present every year	3.0
Water level controlled	1.0
<hr/>	
Total Points + IV = R	

PASTURE KEY

<u>Components</u>	<u>Rating</u>
Grass in good cond. *w/some desirable forbs present:	
Warm season pasture	5.0 - 6.0
Cool season pasture	4.5
<hr/>	
Grass in fair cond. w/more of the less desirable forbs present:	
Warm season	4.0
Cool season	3.5
<hr/>	
Grass in excellent cond. w/few forbs:	
Warm season	3.5
Cool season	3.0
<hr/>	
Grass in poor cond. w/abundance of poor quality herbaceous or bare ground:	
All pastures	1.0
<hr/>	
Same condition as above w/more desirable ann. grass, forbs, and some small woody:	
All pastures	2.0
<hr/>	
Any of the above w/some established woody:	
	Add 0.5
<hr/>	
Ratings higher than 6.0 for warm season and 5.0 for cool season must be documented.	
<hr/>	
*Based upon degree of management and grasses present.	
<hr/>	
Total Points + IV = R	

IMPOUNDMENT KEY

<u>Components</u>	<u>Component Points</u>
1/3 shoreline protected from livestock	1.0
1/2 - 2/3 shoreline protected from livestock	2.0
2/3 shoreline protected from livestock	3.0
<hr/>	
Beneficial aquatic vegetation present	0.0 - 3.0
<hr/>	
Permanent water present	1.0
<hr/>	
Water quality	0.0 - 2.0
<hr/>	
Control of water level possible	1.0
<hr/>	
Total Points + IV = R	

CROPLAND KEY

Regardless of crop grown, cropland undergoes major disturbances (tilling, harvesting) annually resulting in poor terrestrial wildlife habitat during some part of every year. A high cropland R can only be achieved if it provides food, some cover, and has a high level of interspersions. Knowledge of local farm practices and professional judgement will be used to rate.

<u>Components</u>	<u>Rating</u>
Cropland with 4 or more adjacent habitats	
Row crop or alfalfa	5.0
All other crops	4.0
<hr/>	
Cropland w/2-3 adjacent habitats	
Row crop or alfalfa	4.0
All other crops	3.0
<hr/>	
Cropland w/0-2 adjacent habitats	
Row crop or alfalfa	2.0
All other crops	1.0
<hr/>	
NOTE: Ratings higher than 5.0 must have their rationale documented on the field record form.	

INTERSPERSION

The Interspersion Value (IV) is a separate entity for each evaluated habitat tract except CROPLAND and STREAM. Determine the number of different habitat communities (types) that are adjacent to the evaluated habitat tract and add the applicable IV to the criteria value to determine the habitats quality rating (R). In no case can R exceed 10.0.

INTERSPERSION KEY

<u>Adjacent Habitats</u>	<u>IV</u>
4 + additional types	+ 1.5
2-3 additional types	+ 1.0
1 additional type	+ 0.5
All one habitat	+ 0.0

Subjective guideline for judgement ratings: Exc. = 9 - 10; Good = 6 - 8; Fair = 3 - 5; Poor = 1 - 2